

WASTE MANAGEMENT

SOLID WASTE MANAGEMENT FACILITIES

Indicator 3. Solid Waste Management Facilities

Background In addition to municipal solid waste landfills, Kentucky has other waste management facilities, including 224 construction/demolition debris (CDD) landfills, 23 residual landfills, 68 landfarms and 11 special waste landfills. There are also 177 transfer stations operating in Kentucky which serve as a central location for waste shipping purposes.

Each of these solid waste management facilities receives various types of waste and has different monitoring and closure requirements. CDD landfills are designed to receive construction and demolition debris or other inert waste. Residual landfills are operated by industries to dispose of solid waste by-products from the manufacturing process. Special waste landfills are designed to dispose of high-volume, low-hazard wastes such as mining waste or fly ash generated by power plants. Landfarms are operations that apply solid waste such as biosolids (wastewater treatment sludge) or special waste to the land.

Goal Ensure proper construction, operation and closure of solid waste management facilities to protect public health and welfare, prevent the spread of disease and creation of nuisances, conserve natural resources, and enhance the beauty and quality of the environment.

Progress The number of CDD landfills continues to increase in Kentucky. CDDs less than one acre are exempt from groundwater monitoring and reporting requirements. Of the 224 CDDs, 198 are less than one acre. During fiscal year 1999, 648,667 tons of waste were disposed of at the 26 CDD landfills greater than one acre, three of which had groundwater contamination problems.

In 1999, 814,088 tons of waste were disposed of at the 28 residual landfills operating in the state. All residual landfills are monitoring groundwater and none have confirmed contamination.

Special waste landfills have increased in Kentucky from three in 1993 to 11 in 1999. In 1999, 2.28 million tons of waste were reported disposed of at special waste landfills. Two of the 11 special waste landfills have confirmed groundwater contamination.

Of the 68 landfarm operations permitted to operate in Kentucky, three are required to monitor groundwater and one has detected contamination.

At a Glance

Solid waste management facilities

CDD landfills 224
residual landfills . . 23
landfarms. 68
special waste 11
transfer stations. 177

Solid waste management facilities with groundwater contamination

CDD landfills. 3
special waste 2
landfarms. 1

Measures - notes and sources

Measure 1. *1993 data is for all construction and demolition debris landfills (less than one acre and larger). Source: Ky. Division of Waste Management.

Measure 1. Solid Waste Management Facilities in Kentucky

